

Figure 1

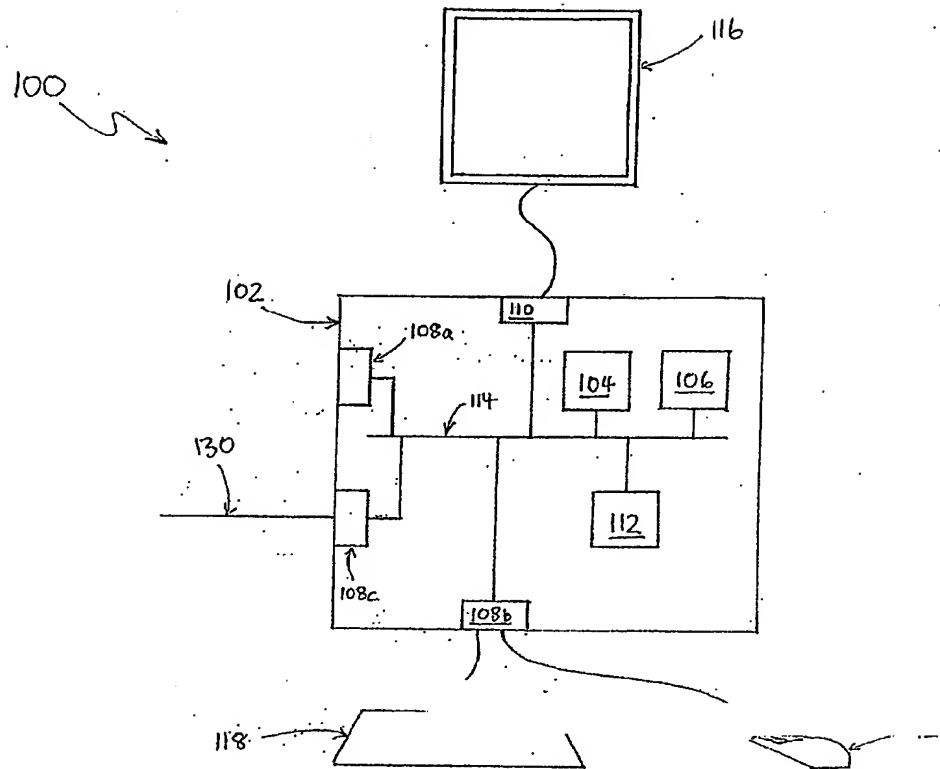


Figure 1A

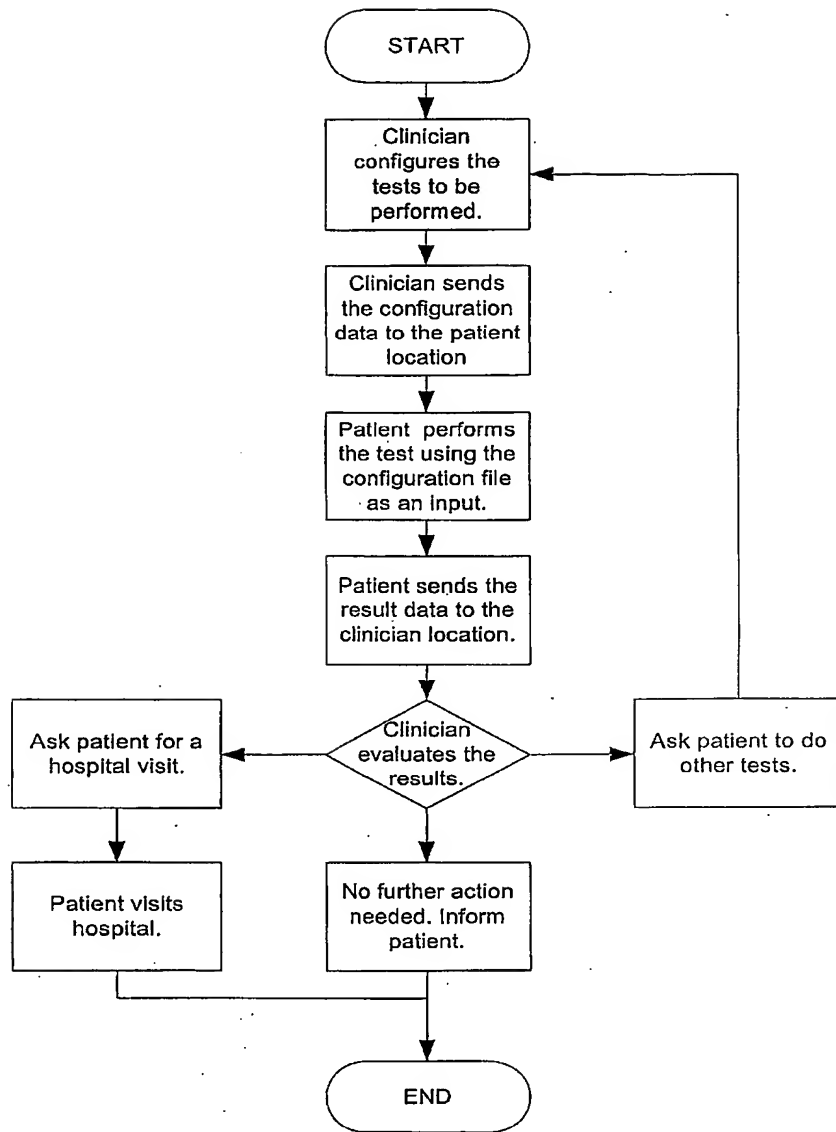
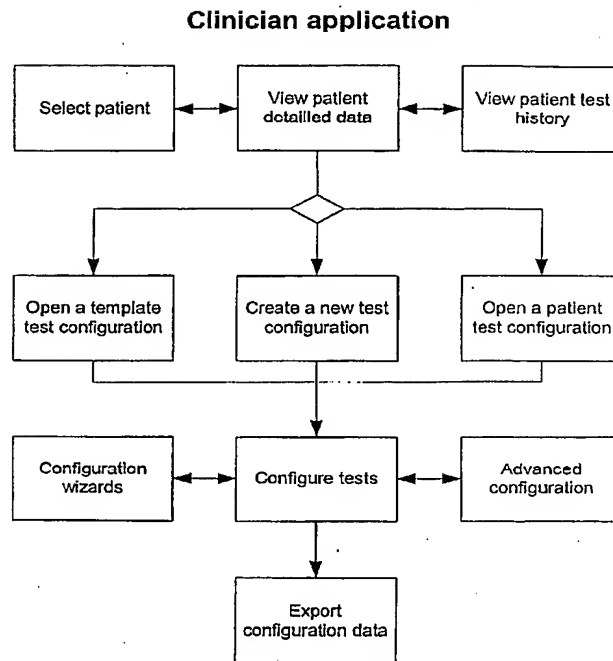


Figure 2

**Figure 3**

Automated Clinical Assistant Prototype v1.0

1) Recipient:

2) Language:

3) SP connection:

4) Tests to be performed:

- ☒ System integrity
- ☐ F-ART
- ☒ T-levels
- ☐ C-levels
- ☐ Loudness balancing
- ☐ Pitch ranking
- ☐ Phoneme discrimination

5) Maps to be used:

slot 1:

slot 2:

slot 3:

Save this configuration for remote execution

Start the x-plains interface

Figure 4

Automated Clinical Assistant Prototype v1.0

Test results for Bob Peeters:

- ☒ System integrity: OK
- ☐ F-ART
- ☒ T-levels: NOT OK
- ☐ C-levels
- ☐ Loudness balancing
- ☐ Pitch ranking
- ☐ Phoneme discrimination

Detailed report:

Redo tests:

Close the application:

Figure 15

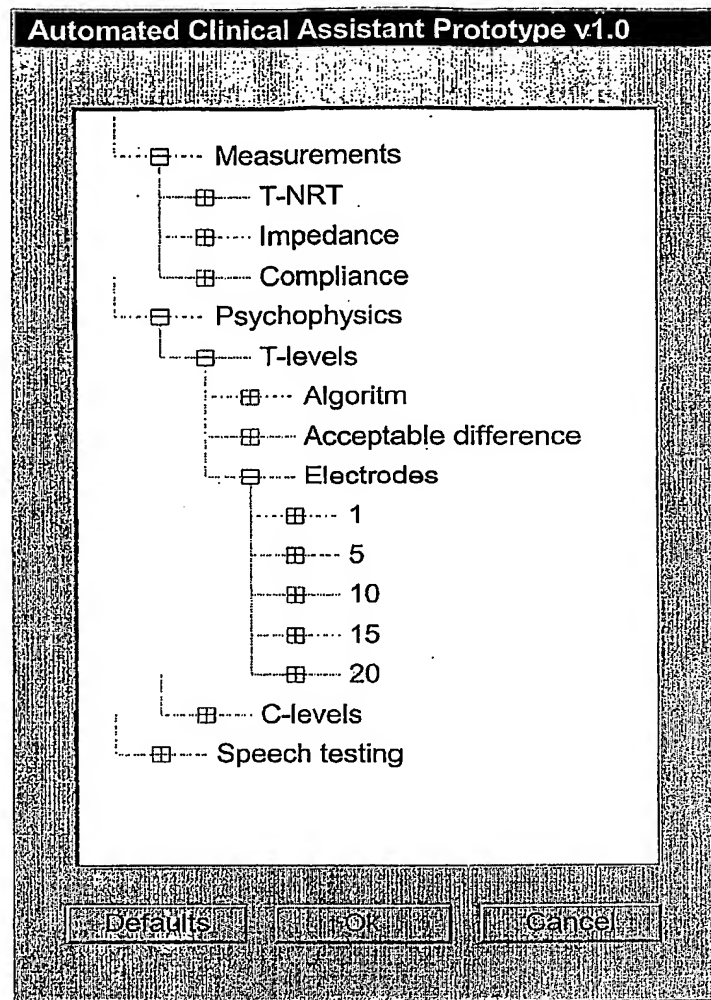


Figure 5

Patient application

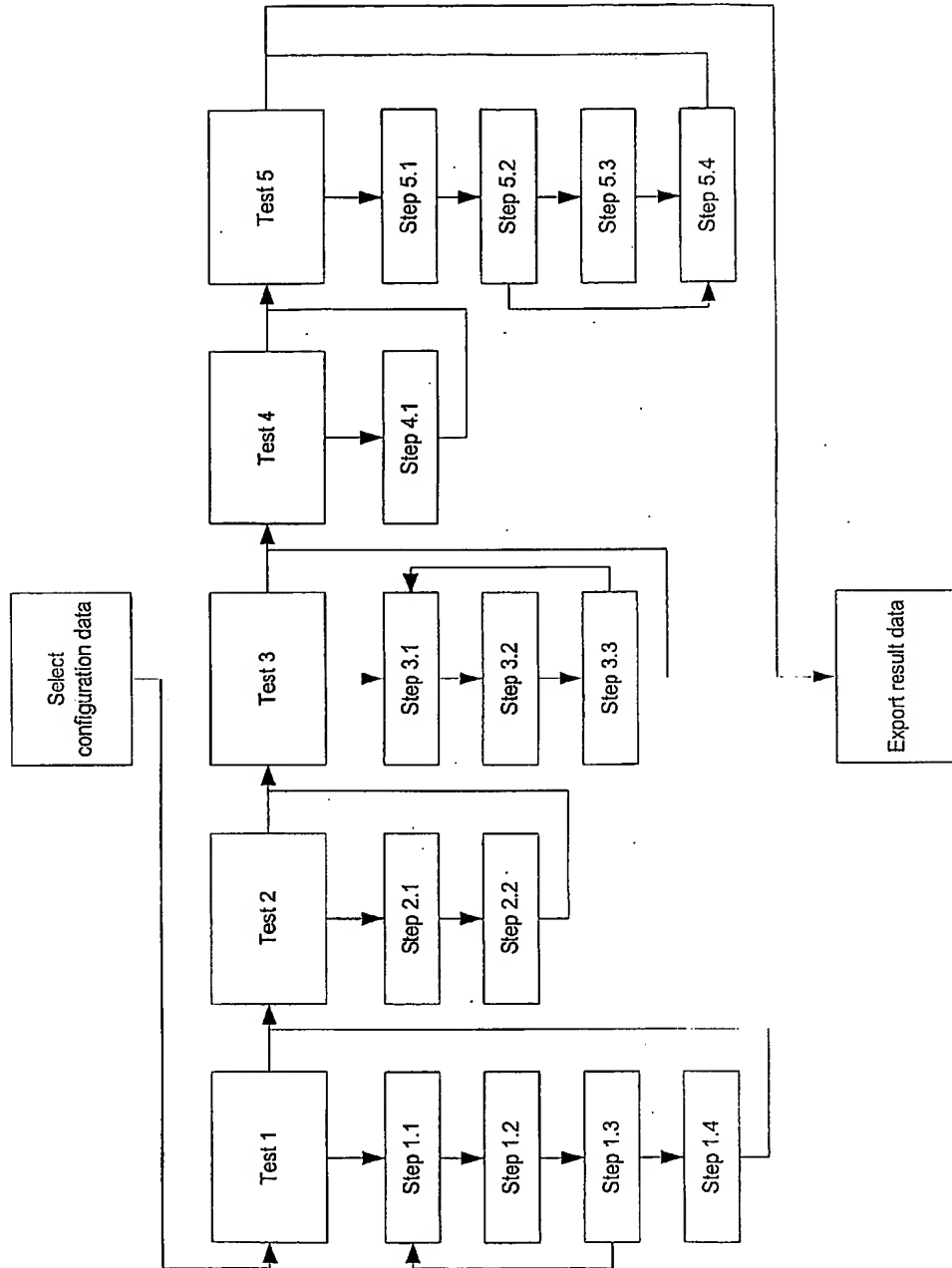


Figure 6

<p>Welcome, Bob Peeters.</p>	<p>We will lead you through different tests.</p> <p>Ask the audiologist for help if something is unclear.</p> <p>Press the NEXT button on the right bottom corner to continue.</p>
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Figure 7

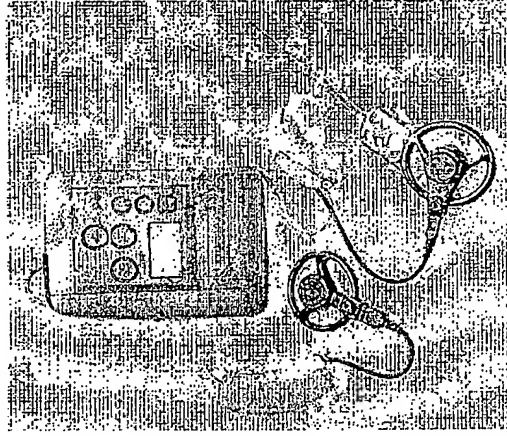
NEXT

System integrity test.

The system will now check your system integrity.

Press GO to start the test.

Press any button or STOP when you hear something uncomfortable.

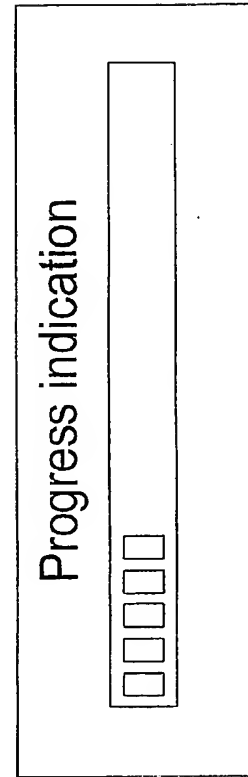


GO

Figure 8

System integrity test in progress...

Press any button or STOP when you hear something uncomfortable.



STOP

Figure 9

System integrity test completed!

Press NEXT to continue.

NEXT

Figure 10


<p>Psychophysics test.</p>	<p>The system will now stimulate soft tones.</p> <p>Press NEXT to continue.</p> 
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Figure 11

NEXT

Psychophysics test in progress....

Press PLAY to start the tone stimulation.

Press YES when you hear something.

Press NO when you hear nothing.

Press any button or STOP when you hear something uncomfortable.

You will be unable to hear some tones, since we also test at low levels.

PLAY

YES

NO

STOP

Figure 12

Psychophysics test completed!

Press NEXT to continue.

Figure 13

NEXT

All tests completed!

Congratulations, all tests are completed!

Tell your audiologist you have finished.

Press END to close the application.

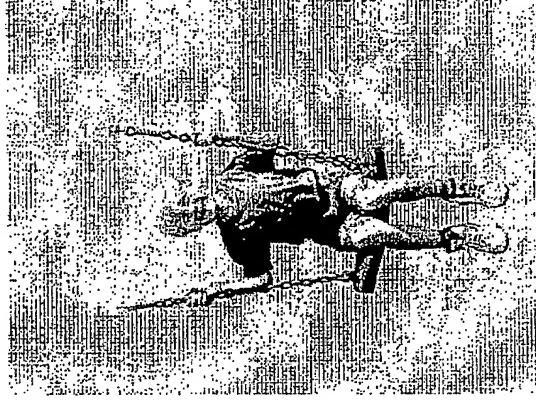


Figure 14

END

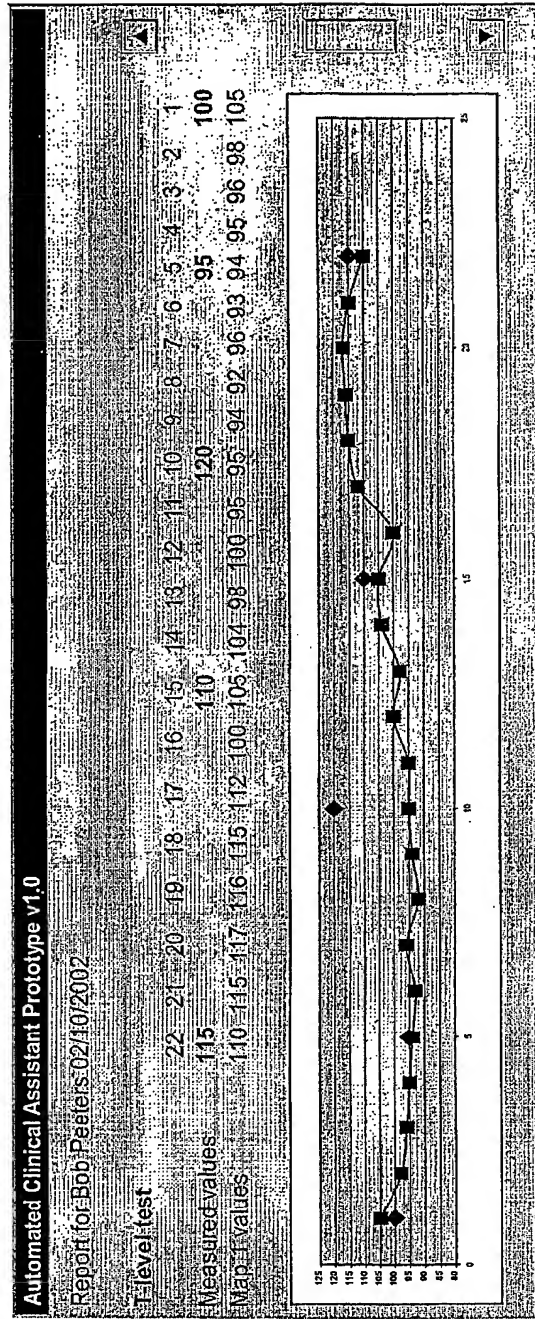


Figure 16